

EXPERIMENT SET-UP FOR SEQUENTIAL MULTI-BEAM LASER PROCESSING OF MATERIALS

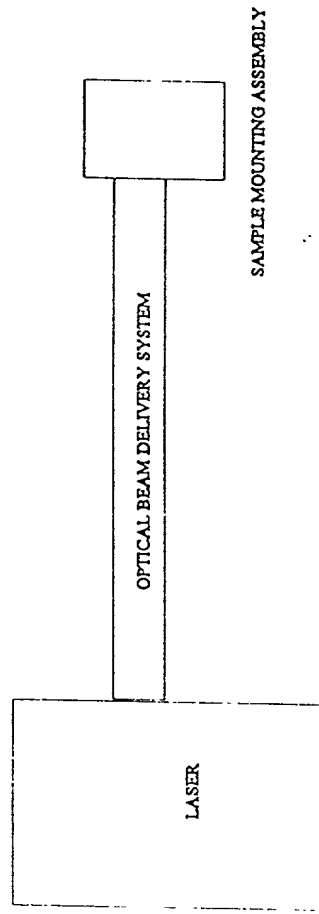


FIG. 1

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1. The weight of the material removed is determined by the weight of the material removed from the sample.

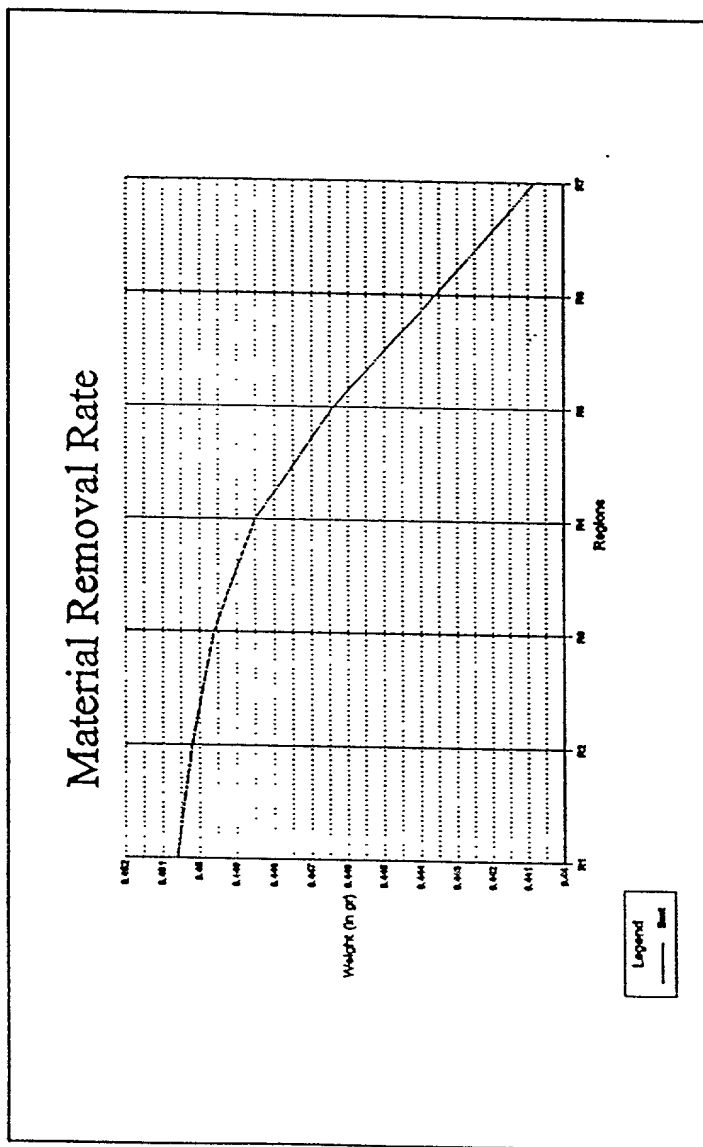


FIG. 2

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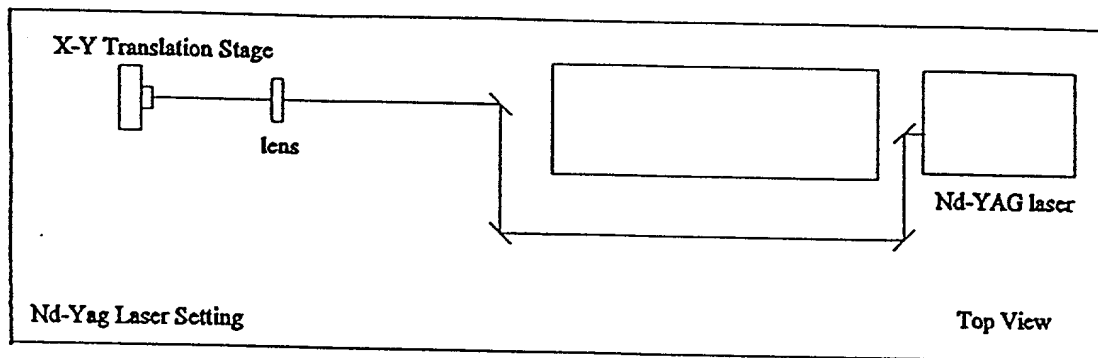


FIG. 3A

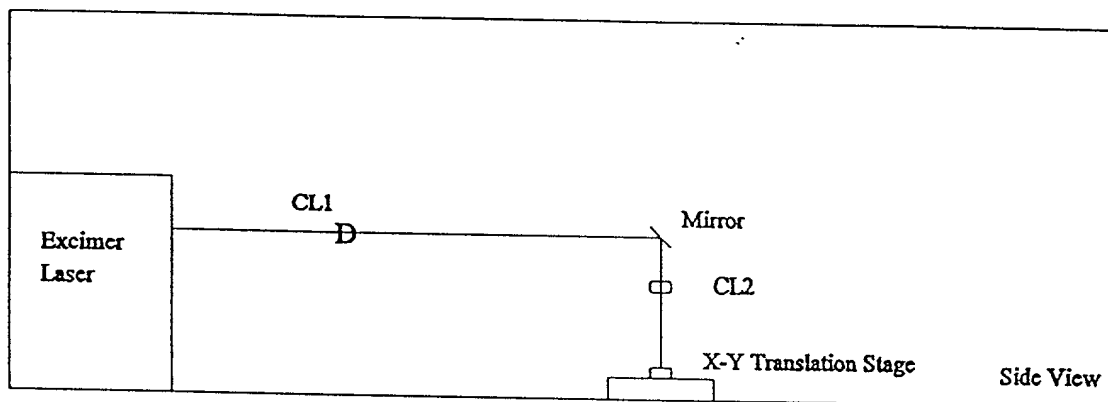


FIG. 3B

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FIG. 4A

FIG. 4B

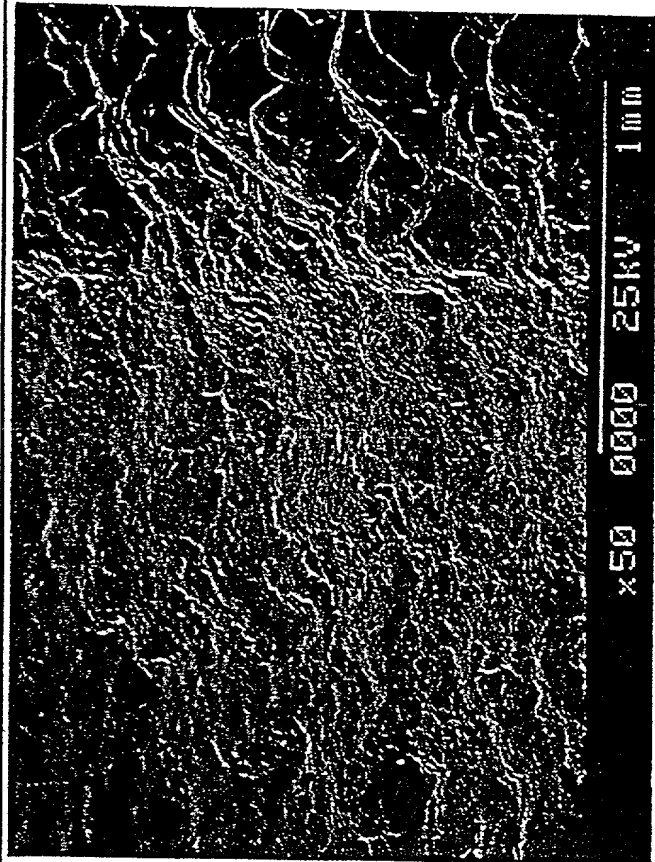
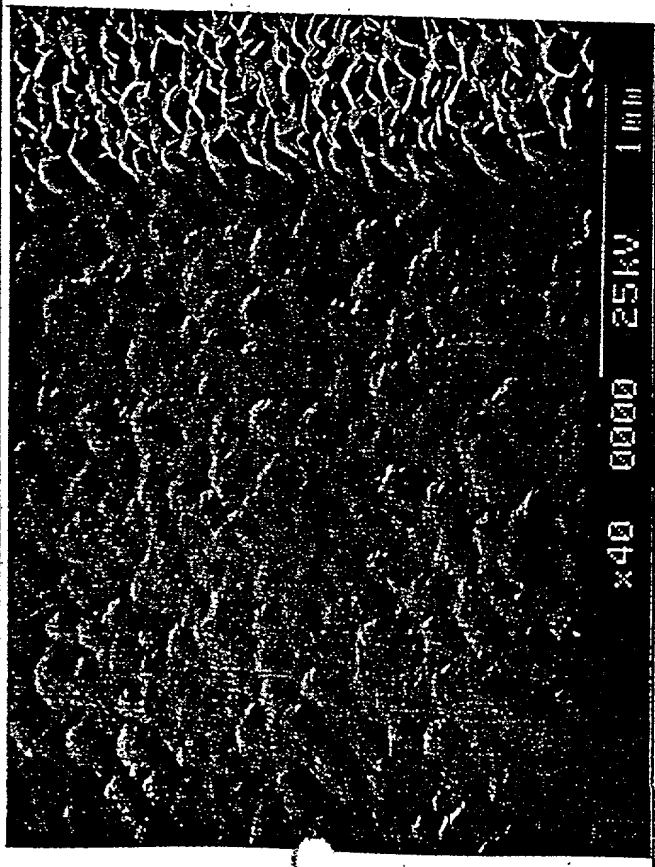
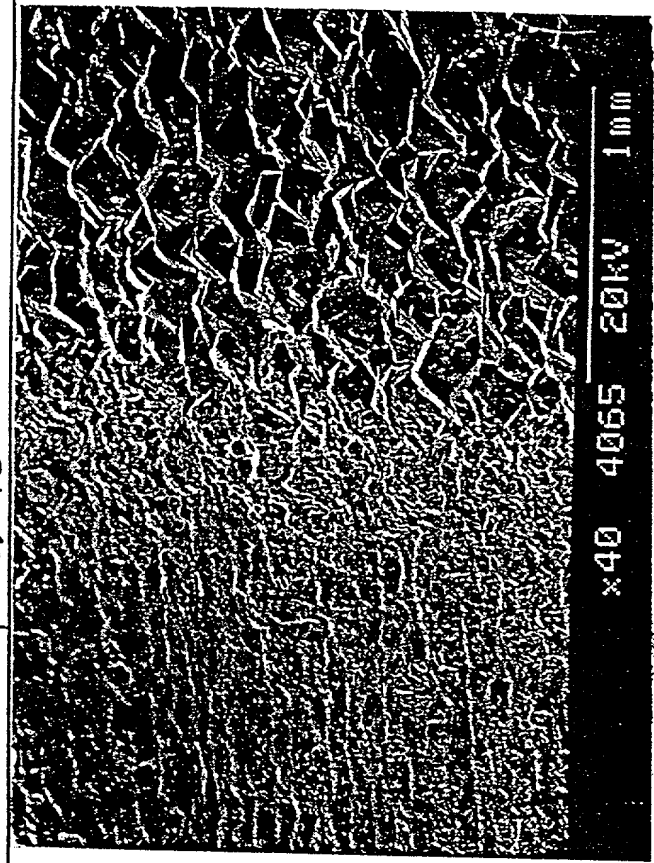
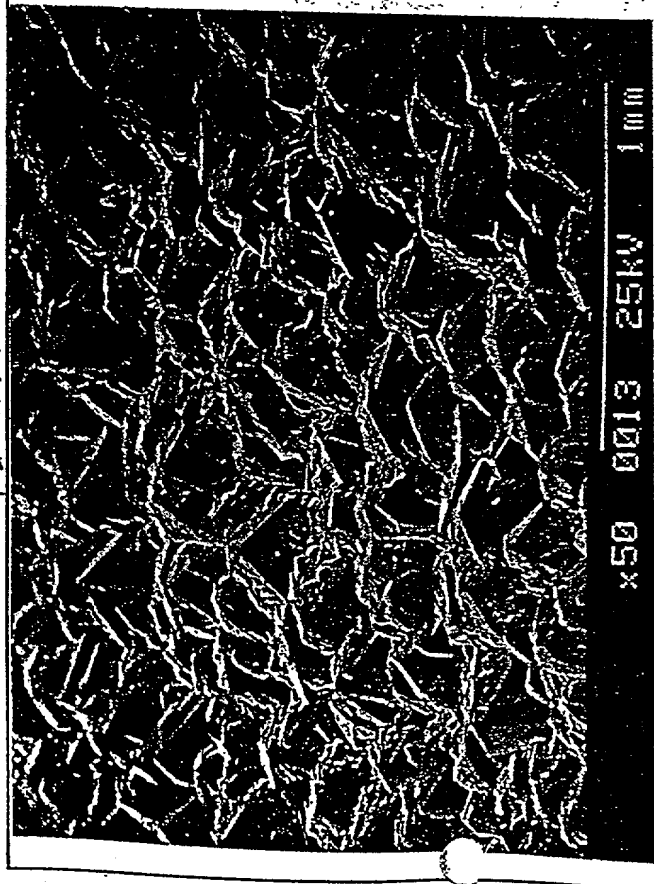


FIG. 4C

FIG. 4D

Figure 4 Scanning Electron Micrographs of diamond surface a) original; b) after Nd-YAG laser; c) after excimer laser; d) after Nd-YAG and excimer lasers

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FIG 5A

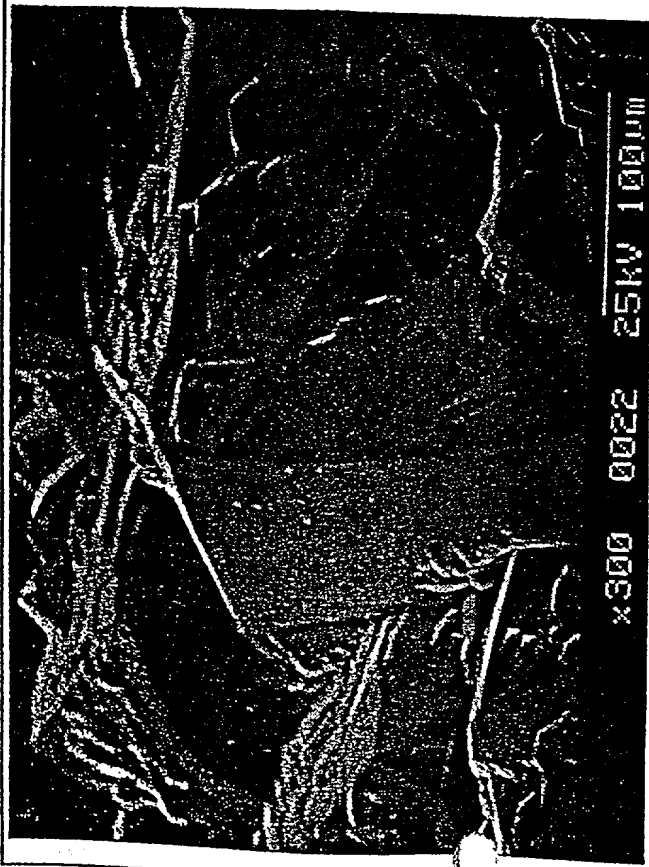


FIG. 5B

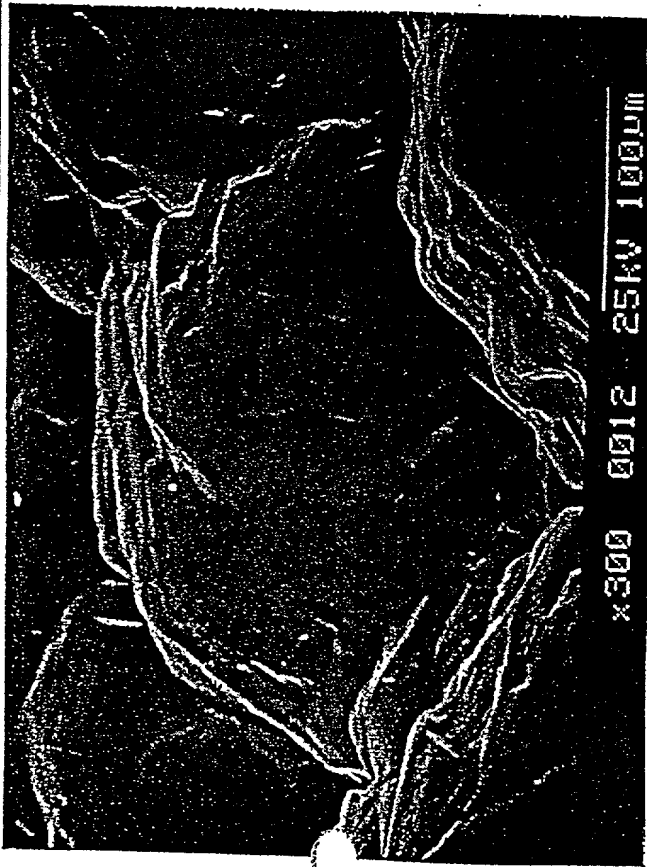
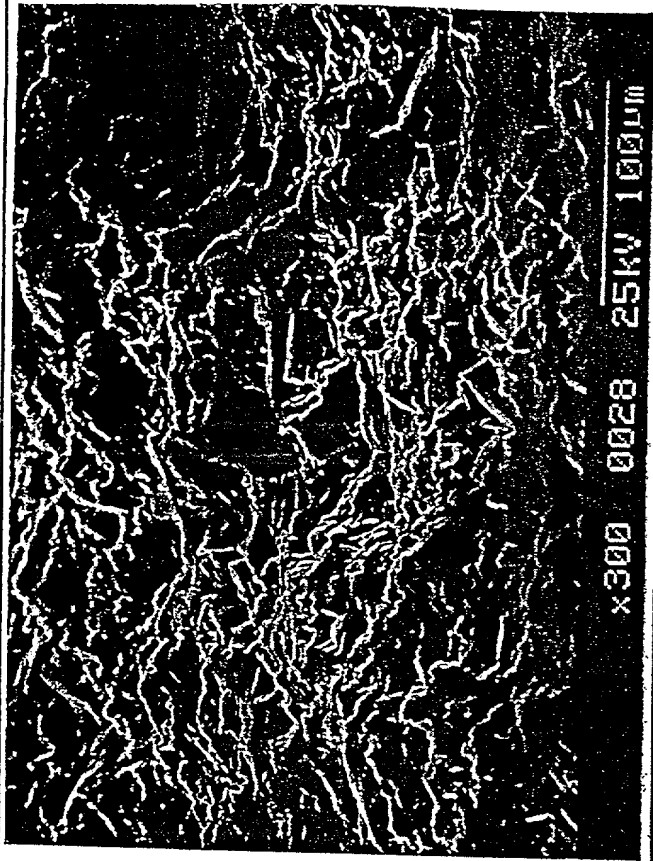


FIG. 5D

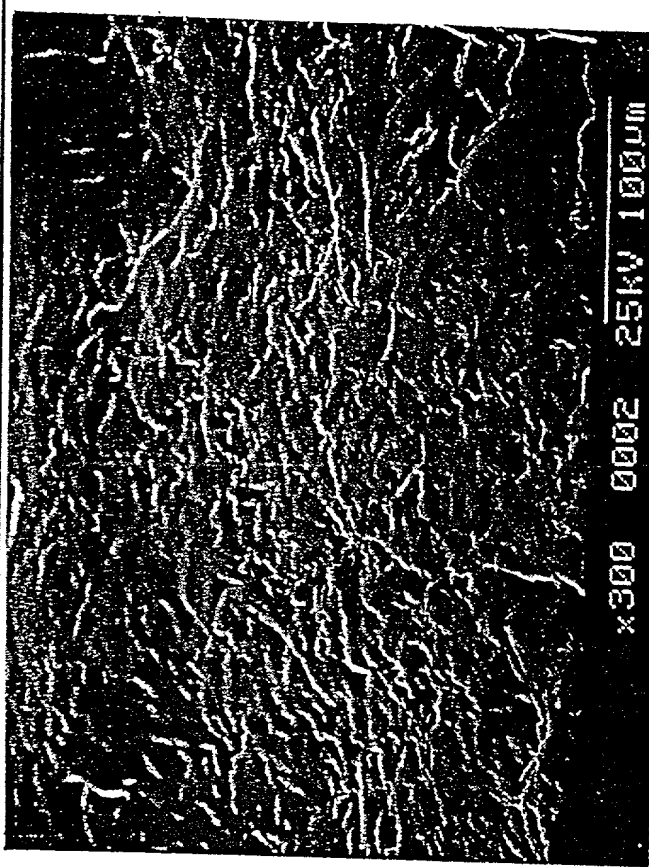


Figure 5 Scanning Electron Micrographs of diamond surface a) original; b) after Nd-YAG laser; c) after excimer laser; d) after Nd-YAG and excimer lasers

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